## CLAIMS

1.	A	micro-dro	generator,			, comprising:	
	a	chamber,	enclo	sed	by	a	casing;

a spraying plate, having a plurality of spraying holes, placed on one side of said casing;

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a piezoelectric plate, mounted inside said chamber, with a fixed end fastened on said casing and a free end performing a bending movement;

a signal connector on one side of said fixed end of said piezoelectric plate, issuing signals that cause said bending movement of said piezoelectric plate; and

a storage tank, containing liquid;

wherein a constant difference of liquid levels in said chamber and said storage tank is maintained, automatically regulating negative pressure in said chamber.

- 2. A micro-droplet generator, comprising: a chamber, enclosed by a casing;
- a spraying plate, having a plurality of spraying holes, placed on one side of said casing;
  - a piezoelectric plate, mounted inside said chamber, with a fixed end fastened on said casing and a free end performing a bending movement; and
  - a signal connector on one side of said fixed end of said piezoelectric plate, issuing signals that cause said bending movement of said piezoelectric plate.
- 3. The micro-droplet generator according to claims 1 or 2, wherein said piezoelectric plate is made of a plurality of layers of different piezoelectric materials.

- 4. The micro-droplet generator according to claims 1 or 2, wherein said spraying holes are placed on a lower side of said casing.
- 5. The micro-droplet generator according to claims 1 or 2, wherein an exchange of liquid and air through said spraying holes takes place, automatically regulating negative pressure in said chamber.

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- 6. The micro-droplet generator according to claims 1 or 2, wherein said spraying holes are gradually narrowing holes and gradually widening holes.
- 7. The micro-droplet generator according to claims 1 or 2, wherein said spraying holes are gradually narrowing holes, increasing spraying force.
- 8. The micro-droplet generator according to claims 1 or 2, wherein said spraying holes are gradually widening holes, allowing external air easily to enter said chamber, balancing pressure in said chamber.
- 9. The micro-droplet generator according to claims 1 or 2, wherein said piezoelectric plate and said spraying plate are placed at a mutual distance, allowing said piezoelectric plate freely to perform said bending movement.
- 10. The micro-droplet generator according to claims 1 or 2, wherein, when said free end of said piezoelectric plate bends towards said spraying plate, liquid undergoes pressure and squeezed out through said spraying holes.
- 11. The micro-droplet generator according to claims 1 or 2, wherein, when said free end of said piezoelectric plate bends away from said spraying plate, air is sucked into said chamber through said spraying holes, balancing

negative pressure in said chamber.